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VOL. XLVI, NO. 4 **FOURTH QUARTER 1998**

QUARTERLY ACTIVITY SUMMARY

October through December 1998

	October	November	December
Oil Produced (4th quarter 1998)	1,413,950	1,346,601	1,318,006
Oil Produced (same months, 1997)	1,391,673	1,357,847	1,402,363
Oil Shipped from Leases	1,404,634	1,350,333	1,338,570
Average Daily Oil Production	45,611	44,887	42,516
Water Produced (Barrels)	7,866,055	7,961,302	7,929,475
Associated Gas Produced (4th quarter 1998)	658,579	554,240	546,264
Associated Gas Produced (same months, 1997)	644,818	676,917	687,834
Natural Gas Produced (4th quarter 1998)	4,424,245	4,572,197	4,714,294
Natural Gas Produced (same months, 1997)	4,016,655	4,561,811	4,681,156
Drilling Permits Issued	47	37	39
Wells Completed	32	43	5
Oil Wells	9	2	1
Gas Wells	13	37	2
Dry Holes	10	4	2
Other	0	0	0
Barrels of Oil Refined	4,749,484	4,634,871	4,792,744
Oil Refined (daily average)	153,209	154,496	154,605

OIL PRODUCERS REPORT
FOURTH QUARTER 1998

Field	Formation	Number of Wells	Oil Produced (Bbls)	Oil Shipped (Bbls)	Assoc. Gas Produced (MCF)	Water Produced (Bbls)
Alkali Coulee	Red River	1	1,609	1,653	1,557	25,298
Anvil	Nisku	2	8,993	8,987	7,192	30,839
Anvil	Ratcliffe	1	1,755	1,752	2,076	7,250
Anvil	Red River	5	14,472	15,454	16,306	45,203
Ator Creek	Red River	1	935	888	0	2,565
Bainville	Ratcliffe	1	1,324	1,082	79	1,428
Bainville	Red River	2	6,108	6,218	5,581	11,453
Bainville	Winnipegosis	1	36	0	40	556
Bainville (Ratcliffe/Mission Canyon)	Ratcliffe	1	1,927	2,175	920	2,110
Bainville II	Ratcliffe	1	1,300	1,295	680	1,966
Bainville II	Red River	2	5,513	5,295	5,912	4,194
Bainville, North	Interlake	1	67	0	0	0
Bainville, North	Mission Canyon	1	2,504	2,490	1,530	2,575
Bainville, North	Nisku	4	21,294	21,271	12,079	5,305
Bainville, North	Ratcliffe	2	3,922	3,609	3,083	4,458
Bainville, North	Red River	9	90,322	90,949	75,236	11,719
Bainville, North	Winnipegosis	4	20,101	19,948	16,536	5,028
Bainville, West	Red River	1	1,002	929	1,421	1,487
Bannatyne	Madison	4	500	500	0	30
Bannatyne	Swift	17	1,500	1,500	0	60
Beanblossom	Lower Tyler	1	3,010	3,679	377	27,393
Bears Den	Swift	2	75	152	0	0
Bears Den Unit	Swift	5	3,583	3,607	0	7,966
Bell Creek (Consolidated Unit)	Muddy	48	49,324	49,446	0	1,043,688
Bell Creek (South Bell Creek Unit)	Muddy	4	2,569	2,591	0	7,412
Benrud, East	Nisku	1	1,421	1,370	0	32,050
Berthelote	Sunburst	1	134	202	0	0
Big Gully	Tyler	0	0	200	0	0
Big Muddy Creek	Interlake	1	1,638	1,708	2,208	5,823
Big Muddy Creek	Mission Canyon	1	1,280	1,421	673	5,280
Big Wall	Amsden	3	3,104	3,107	0	373,832
Big Wall (Lower Tyler Sand Unit)	Tyler	4	5,352	5,353	0	517,946
Big Wall (Upper Tyler Sand Unit)	Tyler	4	2,235	2,239	0	277,297
Blackfoot	Nisku	1	55	55	0	0
Blackfoot Unit	Cut Bank, Madison	7	3,192	3,166	0	22,615
Bloomfield	Dawson Bay	1	1,024	2,081	558	581
Bloomfield	Interlake	1	1,650	2,780	1,427	2,124
Bloomfield	Red River	1	1,429	1,389	0	760
Blue Mountain	Red River	2	5,091	4,995	0	136
Border	Cut Bank	2	190	185	0	-4
Border (Old Border Unit)	Cut Bank	4	369	207	0	5,845
Bowes (Bowes Sawtooth Unit)	Sawtooth	42	21,266	21,407	0	120,369
Bradley	Sunburst	2	230	200	0	0
Brady	Burwash	1	148	149	0	0
Brady	Sunburst	8	1,110	1,117	0	0
Breed Creek Unit	Tyler	8	25,066	25,552	1,197	193,326
Brorson	Interlake	1	3,849	3,841	1,653	20,125
Brorson	Madison	4	3,667	3,431	2,963	3,913
Brorson	Mission Canyon	3	3,914	4,018	2,924	1,949
Brorson	Ratcliffe	1	167	212	83	105
Brorson	Red River	5	13,598	13,141	10,461	37,709
Brorson, South	Bakken	1	2,612	2,462	2,578	718
Brorson, South	Mission Canyon	5	8,320	7,583	5,327	3,640
Brush Lake	Red River	4	25,334	25,344	26,068	10,555
Brush Lake	Stonewall	1	2,079	1,672	1,600	524
Burget, East	Madison	1	790	677	0	3,199
Burget, East	Mission Canyon	1	1,302	1,209	0	1,256
Burget, East	Nisku	1	12,449	12,713	7,980	10,265
Burget, East	Ratcliffe	1	1,041	1,204	0	2,335
Cabaret Coulee	Madison	1	222	0	20	0
Cabin Creek	Madison	2	13,942	13,942	208	67,600
Cabin Creek	Red River	7	6,896	6,803	0	122,604
Cabin Creek (Unit #1)	Red River	1	1,015	1,011	125	4,185
Cabin Creek (Unit #1)	Silurian-Ordovician	88	258,325	258,302	79,514	1,302,039
Cabin Creek (Unit #2)	Madison	3	4,669	4,668	546	142,099
Canal	Madison	1	1,592	1,531	1,104	1,329
Canal	McGowan	1	1,447	1,436	0	3,447
Canal	Mission Canyon	1	994	1,165	1,705	4,234
Canal	Red River	1	1,784	1,838	1,645	1,218

OIL PRODUCERS REPORT
FOURTH QUARTER 1998

Field	Formation	Number of Wells	Oil Produced (Bbls)	Oil Shipped (Bbls)	Assoc. Gas Produced (MCF)	Water Produced (Bbls)
Cat Creek, East Dome (Unit)	Ellis	3	889	854	0	3,029
Cat Creek, Mosby Dome (Unit)	Ellis	3	469	512	0	30,083
Cat Creek, West Dome	Morrison	2	594	743	0	54,655
Cat Creek, West Dome (Unit #1)	Cat Creek 1 & 2	17	3,097	3,019	0	362,916
Cat Creek, West Dome (Unit #2)	Cat Creek 1 & 2	8	646	656	0	134,257
Cattails	Ratcliffe	6	8,698	8,760	9,163	10,211
Cattails, South	Madison	1	877	885	1,645	1,636
Cattails, South	Ratcliffe	1	1,584	1,689	0	1,868
Charlie Creek	Bakken	1	1,836	1,975	1,840	52
Charlie Creek	Dawson Bay	1	2,784	2,766	2,672	1,815
Charlie Creek, East	Red River	2	4,957	5,629	4,060	7,398
Chelsea Creek	Nisku	1	758	781	492	45,603
Clark's Fork	Greybull	1	136	183	0	0
Clear Lake	Mission Canyon	2	2,860	2,835	477	15,915
Clear Lake	Nisku	2	2,627	2,610	2,992	5,753
Clear Lake	Ratcliffe	1	2,173	2,168	267	15,300
Clear Lake	Red River	6	17,100	16,634	8,451	31,890
Clear Lake, South	Red River	1	1,407	1,556	651	3,376
Colored Canyon	Red River	3	18,282	18,105	13,758	13,831
Comertown	Nisku	1	14	0	6	83
Comertown	Ratcliffe	1	867	708	552	6,580
Comertown	Red River	4	10,219	10,921	4,506	13,710
Comertown, South	Red River	1	4,316	4,723	1,270	10,347
Cottonwood	Ratcliffe	3	9,444	9,531	3,366	7,854
Cottonwood, East	Ratcliffe	1	1,990	2,086	460	771
Cow Creek, East	Kibbey	5	3,953	4,217	0	61,201
Crane	Devonian	1	2,750	2,745	1,388	1,492
Crane	Duperow	1	1,470	1,510	935	853
Crane	Red River	1	7,000	7,005	4,533	61,061
Crane	Red River, Interlake	1	0	0	121	0
Cupton	Red River	5	11,365	10,782	2,466	22,205
Cut Bank	Cut Bank	88	19,809	19,761	10,867	68,049
Cut Bank	Madison	39	23,528	22,484	7,305	245,429
Cut Bank	Moulton	10	4,824	5,118	0	99
Cut Bank	Moulton, Sunburst	1	4	0	0	0
Cut Bank	Sunburst	7	272	0	0	50
Cut Bank (North Central Sand Unit)	Cut Bank	56	9,805	9,593	0	2,090
Cut Bank (North Darling Sand Unit)	Moulton	1	52	16	0	0
Cut Bank (North East Sand Unit)	Cut Bank	27	4,262	4,355	0	0
Cut Bank (North West Sand Unit)	Cut Bank	2	422	252	0	233
Cut Bank (South Central Sand Unit)	Cut Bank	49	21,975	22,075	0	57,850
Cut Bank (South Darling Sand Unit)	Moulton	6	495	674	0	0
Cut Bank (South East Sand Unit)	Cut Bank	1	166	191	0	0
Cut Bank (South West Sand Unit)	Cut Bank	95	26,053	26,218	0	387,194
Cut Bank (Tesoro Sand Unit)	Cut Bank	15	3,691	3,447	0	11,704
Cut Bank (Tweedy South Sand Unit)	Cut Bank	1	331	187	0	820
Cut Bank (Two Medicine Sand Unit)	Cut Bank	12	4,981	4,925	0	30,593
Cut Bank (Two Medicine Sand Unit)	Madison	1	667	659	0	11,934
Dagmar	Red River	2	3,018	3,027	2,468	6,246
Deer Creek	Charles	3	7,797	8,092	0	5,312
Deer Creek	Charles C	3	13,087	13,186	9,650	43,937
Den	McGowan	1	29	209	0	0
Den	Ratcliffe	1	177	0	0	7,429
Diamond Point	Interlake	1	3,444	3,460	3,805	49,476
Diamond Point	Red River	1	2,700	2,764	3,048	17,583
Divide	Madison	2	874	767	1,177	14,162
Divide	Ratcliffe	5	10,337	10,156	4,134	40,214
Divide	Red River	5	17,339	17,157	12,224	75,683
Dooley	Ratcliffe	3	3,252	3,175	915	33,506
Dry Creek	Frontier	2	4	0	0	0
Dry Creek	Greybull	1	230	252	30,960	0
Dry Creek	Judith River	1	20	0	0	45
Dry Creek	Virgelle	1	234	250	0	0
Dry Creek, West	Greybull	1	21	198	0	0
Dutch Henry	Madison	1	1,913	1,847	0	37,489
Dutch Henry	McGowan	1	148	0	0	1,546
Dutch John Coulee	Sunburst	4	1,757	1,864	0	0
Dwyer	Nisku, Duperow	1	21	0	0	0
Dwyer	Ratcliffe	1	936	894	0	17,134

OIL PRODUCERS REPORT
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Field	Formation	Number of Wells	Oil Produced (Bbls)	Oil Shipped (Bbls)	Assoc. Gas Produced (MCF)	Water Produced (Bbls)
Dwyer	Red River	3	12,822	12,827	5,970	56,729
Dwyer (Dwyer Unit)	Charles	4	5,944	5,744	1,048	10,470
Eagle	Interlake	1	4,033	4,113	1,982	44,219
Eagle	Madison	3	2,912	2,882	1,319	8,753
Eagle	Mission Canyon	4	3,345	3,061	0	15,933
Eagle	Ratcliffe	2	1,246	1,214	0	13,424
East Glacier	Green Horn	1	35	0	0	0
Elk Basin	Embar, Tensleep	1	3,543	0	2,914	594
Elk Basin	Frontier	1	15	15	14	7
Elk Basin (Embar-Tensleep)	Embar, Tensleep	18	52,646	56,189	43,168	37,149
Elk Basin (Frontier Unit)	Frontier	10	2,278	2,278	0	604
Elk Basin (Madison Unit)	Madison	15	52,611	52,611	13,492	585,058
Elk Basin, Northwest	Cloverly	1	45	0	7	0
Elk Basin, Northwest	Frontier	1	44	89	7	0
Elk Basin, Northwest (Northwest Madison Unit)	Madison	3	13,434	14,666	2,293	55,790
Elk Basin, Northwest (Northwest Tensleep Unit)	Embar, Tensleep	2	1,232	0	211	12,782
Enid, North	Red River	1	1,406	1,815	1,407	7,372
Epworth	Bakken	1	2,034	2,027	1,760	233
Fairview	Madison	1	1,012	1,367	753	527
Fairview	Mission Canyon	2	77	0	3	25
Fairview	Ratcliffe	2	2,154	2,072	962	1,258
Fairview	Red River	5	9,295	9,438	10,973	15,702
Fairview (North West Unit)	Red River	4	12,895	15,095	33,402	8,787
Fairview, East	Ratcliffe	1	494	188	85	558
Fairview, East	Winnipegosis	1	2,306	2,275	1,124	26,335
Fairview, West	Madison	2	1,100	1,243	0	1,847
Fairview, West	Ratcliffe	3	4,335	4,432	0	10,502
Fishhook	Madison	1	408	450	0	5,995
Fishhook	Red River	2	3,178	3,501	1,212	11,559
Flat Coulee	Swift	4	742	590	0	0
Flat Coulee (Swift Sand Unit)	Swift	10	13,141	13,166	1,314	121,481
Flat Lake	Nisku	10	69,865	69,840	51,938	87,289
Flat Lake	Ratcliffe	8	18,316	18,389	4,486	98,228
Flat Lake	Red River	1	5,777	5,908	1,950	21,481
Flat Lake (East Flat Lake Unit)	Ratcliffe	14	25,986	25,800	8,115	115,338
Flat Lake (West Flat Lake Unit)	Ratcliffe	6	7,865	7,988	3,496	68,690
Flat Lake, East	Madison	1	2,738	2,517	0	7,026
Flat Lake, South	Ratcliffe	3	1,280	1,248	292	18,170
Fort Gilbert	Madison	3	2,269	2,983	1,082	5,446
Fort Gilbert	Mission Canyon	1	1,358	1,367	869	3,060
Fort Gilbert	Red River	2	3,975	4,221	6,448	6,004
Four Mile Creek	Red River	1	1,896	1,935	1,731	2,832
Four Mile Creek, West	Red River	1	5,606	5,667	4,312	2,212
Fred & George Creek	Sunburst	1	162	0	0	0
Fred & George Creek (Sunburst "A" Unit)	Sunburst	5	3,846	4,054	0	150,830
Fred & George Creek (Sunburst "B" Unit)	Sunburst	3	674	195	0	0
Fred & George Creek (N Sunburst "B" Unit)	Sunburst	2	146	182	0	45
Fred & George Creek (S E Sunburst "B" Unit)	Sunburst	4	2,081	1,996	49	6,111
Fred & George Creek (S W Sunburst "B" Unit)	Sunburst	3	160	403	0	0
Frog Coulee	Red River	1	3,237	3,052	1,158	7,685
Froid, South	Red River	2	5,596	5,995	7,150	10,382
Froid, South	Winnipegosis	1	833	998	231	6,785
Gage	Amsden	2	113	0	0	28
Gas City	Red River	1	646	669	0	3,042
Gas City (Gas City Waterflood)	Madison	1	682	682	0	3,098
Gas City (Gas City Waterflood)	Madison, Ordovician	1	1,567	1,566	0	12,782
Gas City (Gas City Waterflood)	Red River	1	492	491	0	4,426
Gas City (Gas City Waterflood)	Silurian-Ordovician	6	11,948	11,946	0	43,845
Girard	Bakken	2	2,340	2,476	1,720	102
Girard	Red River	1	3,351	3,296	3,687	3,033
Glendive	Red River	6	10,729	11,606	1,354	136,541
Glendive	Silurian-Ordovician	6	13,542	13,170	3,000	57,390
Glendive	Stoney Mountain	1	2,154	2,017	605	8,176
Golden Dome	Frontier	4	270	459	0	215
Golden Dome	Greybull	1	33	0	7,963	0
Goose Lake	Ratcliffe	5	6,440	6,917	429	110,973
Goose Lake	Red River	1	6,081	6,165	2,245	4,691
Goose Lake (North Goose Lake Unit)	Ratcliffe	11	7,353	7,588	0	180,054
Goose Lake, West	Red River	2	5,042	6,432	1,471	7,709

OIL PRODUCERS REPORT
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Field	Formation	Number of Wells	Oil Produced (Bbls)	Oil Shipped (Bbls)	Assoc. Gas Produced (MCF)	Water Produced (Bbls)
Gossett	Ratcliffe	1	661	654	0	4,269
Graben Coulee	Cut Bank	37	4,108	4,009	742	25,154
Graben Coulee	Sunburst	7	867	629	9	278
Gray Blanket	Tensleep	1	6,151	6,078	0	6,318
Green Coulee	Ratcliffe	1	1,949	1,952	1,193	1,976
Gunsight	Madison	1	1,832	1,600	0	2,492
Gunsight	Mission Canyon	1	844	1,069	870	9,318
Gunsight	Ratcliffe	1	693	690	0	4,382
Gypsy Basin	Madison	2	35	0	0	1,742
Hardscrabble Creek	Red River	1	2,956	2,970	4,096	6,106
Hawk Haven	Mission Canyon	1	541	492	0	2,422
Hay Creek	Madison	1	671	767	0	1,210
Hay Creek	Mission Canyon	1	934	1,124	747	6,956
Hay Creek	Red River	2	8,327	8,947	7,883	19,036
Hell Coulee	Ratcliffe	1	1,722	1,800	0	17,377
Hiawatha	Tyler	1	1,728	1,884	0	16,760
Hiawatha	Tyler, Stensvad	1	1,508	1,473	0	111
High Five	Tyler	4	6,798	6,750	612	65,598
High Five Unit	Stensvad	3	3,896	2,687	1,602	266,196
Highview	Madison	3	512	401	0	8,703
Howard Coulee	Tyler	1	997	740	0	0
Injun Creek	Stensvad	0	0	493	0	0
Intake II	Mission Canyon	2	3,434	3,412	2,149	5,671
Ivanhoe	Amsden	1	200	198	0	6,247
Ivanhoe	Morrison	1	113	105	0	1,295
Ivanhoe	Tyler	2	3,567	3,383	0	43,446
Jim Coulee Unit	Tyler	4	3,308	3,165	0	171,315
Katy Lake	Red River	1	1,874	1,999	3,280	6,192
Katy Lake, North	Madison	3	7,621	7,713	3,237	37,019
Katy Lake, North	Mission Canyon	1	4,718	4,401	1,731	53,920
Katy Lake, North	Red River	5	26,330	26,279	16,857	50,162
Keg Coulee	Lower Tyler	1	666	725	0	1,196
Keg Coulee	Stensvad	1	309	438	0	0
Keg Coulee (Northwest Unit)	Tyler	1	899	907	0	4,530
Keg Coulee (Tyler "A" Sand Unit)	Tyler	3	45	0	0	1,441
Keg Coulee (Tyler "C" Sand Unit)	Lower Tyler	1	7	0	0	89
Keg Coulee, North	Tyler	1	63	0	0	1,880
Kelley Unit	Tyler	1	302	435	0	8,508
Kevin Sunburst	Burwash	9	264	337	0	0
Kevin Sunburst	Ellis	17	433	593	0	0
Kevin Sunburst	Ellis, Madison	1	196	196	0	0
Kevin Sunburst	Madison	398	37,052	35,749	300	26,544
Kevin Sunburst	Nisku	1	194	348	0	0
Kevin Sunburst	Sunburst	47	5,711	6,164	1,640	4,268
Kevin Sunburst	Swift	7	435	362	2,106	0
Kevin Sunburst (Ferdig Unit)	Swift	21	1,902	1,902	0	0
Kevin Sunburst (Homestake Sandunit)	Sunburst	36	6,828	6,787	0	71,693
Kevin Sunburst (Sonkor Kevin Sand Unit)	Sunburst	1	0	0	0	3
Kevin, East Nisku Oil	Nisku	15	15,828	15,662	13,416	0
Kincheloe Ranch, West (K R Unit)	Tyler	2	1,015	1,044	283	0
Kincheloe Ranch, West (Kincheloe Ranch Unit)	Tyler	3	1,134	1,373	313	16,807
Laird Creek (Laird Creek Unit)	Swift	6	925	715	0	0
Lambert	Red River	1	248	366	570	124
Lambert, South	Red River	3	26,208	25,785	5,563	5,390
Landslide Butte	Madison	8	6,630	6,928	16,521	19,321
Lane	Red River	1	8,294	8,199	7,896	2,009
Little Beaver	Silurian-Ordovician	1	24	74	0	0
Little Beaver (Cedar Creek ACU 8BA)	Red River	1	1,890	1,888	383	11,199
Little Beaver (Cedar Creek ACU 8BA)	Silurian-Ordovician	24	45,076	45,072	4,897	263,794
Little Beaver, East	Mission Canyon	1	1,374	1,374	95	40,843
Little Beaver, East	Red River	3	4,543	5,168	1,138	10,378
Little Beaver, East (Cedar Crk Ut 8A)	Silurian-Ordovician	5	12,003	11,990	692	18,641
Little Beaver, East (Cedar Crk Ut 8BB)	Silurian-Ordovician	6	11,686	11,686	1,180	56,275
Little Wall Creek	Tyler	3	3,584	4,308	1,656	104,485
Little Wall Creek	Tyler, Stensvad	1	1,778	2,183	552	0
Little Wall Creek (Weisner Tyler Sand Unit)	Tyler, Stensvad	1	474	431	0	27,885
Little Wall Creek, South	Tyler	3	10,510	10,836	0	27,156
Little Wall Creek, South (Gunderson Tyler Sand Unit)	Tyler	1	716	590	0	57,720
Little Wall Creek, South (Hamilton-Gunderson Unit)	Tyler	1	81	81	0	0

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Field	Formation	Number of Wells	Oil Produced (Bbls)	Oil Shipped (Bbls)	Assoc. Gas Produced (MCF)	Water Produced (Bbls)
Little Wall Creek, South (South Little Wall Creek Unit)	Tyler	2	1,845	2,065	0	151,870
Lodge Grass	Tensleep	1	1,242	1,379	0	89
Lone Butte	Madison	1	802	875	0	1,967
Lone Butte	Mission Canyon	1	733	673	297	277
Lone Butte	Red River	1	682	634	1,000	1,314
Lonetree Creek	Interlake	2	10,622	10,306	6,169	20,170
Lonetree Creek	Mission Canyon	1	1,353	1,537	0	110
Lonetree Creek	Red River	4	14,432	14,603	16,737	5,458
Lonetree Creek	Red River, Interlake	1	6,200	6,556	6,445	335
Long Creek	Charles C	1	599	853	0	755
Long Creek, West	Nisku	2	4,534	4,327	184	53,835
Lookout Butte	Madison	2	1,878	1,878	132	16,635
Lookout Butte	Silurian-Ordovician	2	4,594	4,594	1,432	113,001
Lookout Butte (Coral Creek Unit)	Red River	7	23,103	23,095	6,355	29,439
Lookout Butte (Coral Creek Unit)	Silurian-Ordovician	25	80,979	80,973	18,431	241,732
Lookout Butte, East	Lodgepole	1	1,339	1,323	1,297	3,885
Lookout Butte, East	Red River	1	3,566	3,581	1,113	14,877
Lookout Butte, East (Waterflood Unit)	Red River	61	357,435	358,204	194,867	308,600
Lowell	Red River	2	926	902	0	1,717
Lowell South	Red River	1	17,954	18,054	8,900	1,350
Lustre	Charles	8	7,602	7,639	4,013	32,907
Lustre	Charles C	13	14,519	14,544	2,649	95,305
Lustre	Mission Canyon	5	4,202	4,452	995	49,495
Lustre	Ratcliffe	5	4,473	4,862	2,979	16,261
Mackay Dome	Greybull	1	3,168	3,409	0	8,542
Mason Lake	Cat Creek 1	2	18	0	0	86
Mason Lake (Cat Creek Water Flood)	Cat Creek 1	1	2	0	0	62
McCabe	Ratcliffe	1	1,248	1,499	1,021	2,572
McCabe, East	Red River	1	5,754	5,903	3,809	1,976
Medicine Lake	Gunton	1	1,666	1,645	1,536	12,734
Medicine Lake	Mission Canyon	1	3,698	3,757	3,865	4,277
Medicine Lake	Red River	1	5,844	5,770	5,360	9,693
Medicine Lake South	Red River	2	8,324	8,110	7,273	101
Melstone	Tyler	2	1,924	1,931	0	36,643
Melstone (North Melstone Unit)	Tyler	4	5,812	5,832	3,082	135,955
Midfork	Charles C	6	9,367	9,102	2,794	7,736
Midfork	Nisku	1	885	876	708	2,547
Missouri Breaks	Nisku	1	3,577	3,239	529	22,892
Mon Dak, West	Duperow	1	5,858	5,918	8,345	3,015
Mon Dak, West	Interlake	1	2,336	2,291	5,037	3,784
Mon Dak, West	Madison	6	6,135	6,745	5,121	20,090
Mon Dak, West	Madison, Ordovician	2	14,639	14,951	13,291	15,487
Mon Dak, West	Mission Canyon	6	8,232	7,917	8,544	23,248
Mon Dak, West	Red River	3	10,862	10,965	5,167	18,580
Mon Dak, West	Red River, Stoney Mountain	1	9,801	10,050	8,972	7,280
Mon Dak, West	Stoney Mountain	1	2,576	2,741	3,632	704
Mona	Red River	1	574	687	1,695	0
Monarch	Interlake	2	1,895	1,852	412	7,343
Monarch	Red River	5	28,296	28,206	5,333	36,873
Monarch	Silurian-Ordovician	9	32,360	32,414	8,984	47,963
Monarch (Monarch Water Flood Unit)	Silurian-Ordovician	5	10,248	9,813	1,918	24,888
Mosser Dome	Mosser Sand	23	1,309	1,313	0	0
Musselshell	Tyler	1	126	178	0	0
Mustang	Bakken	4	5,877	6,396	5,725	661
Mustang	Madison	1	1,893	2,143	0	1,187
Mustang	Red River	2	6,198	6,621	9,474	3,838
Neiser Creek	Red River	2	9,116	8,870	15,239	34,464
Nielsen Coulee	Madison	1	78	0	47	861
Ninemile	Nisku	2	721	726	1,012	0
Nohly	Madison	4	16,450	16,320	14,453	8,934
Nohly	Mission Canyon	2	6,087	6,108	5,754	5,910
Nohly	Nisku	3	7,444	6,933	7,411	14,409
Nohly	Ratcliffe	5	11,447	11,555	15,358	13,634
Nohly	Red River	3	14,985	14,882	23,301	7,580
Nohly	Stonewall	1	2,068	2,198	2,113	22,074
North Fork	Mission Canyon	3	2,489	2,328	2,058	6,764
Otis Creek	Ratcliffe	1	1,499	1,623	674	1,315
Outlook	Madison	1	1,413	1,472	2,328	3,298
Outlook	Nisku	2	5,574	5,530	3,711	5,662

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Field	Formation	Number of Wells	Oil Produced (Bbls)	Oil Shipped (Bbls)	Assoc. Gas Produced (MCF)	Water Produced (Bbls)
Outlook, Southwest (Winnipegosis)	Winnipegosis	1	1,038	1,388	0	36,746
Outlook, West	Winnipegosis	1	7,009	6,941	0	17,273
Oxbow	Red River	1	2,198	2,394	4,701	1,668
Oxbow II	Nisku	1	12,543	12,758	7,802	17,154
Oxbow II	Red River	1	245	465	0	764
Palomino	Nisku	6	26,524	26,354	678	296,700
Pennel	Red River	1	642	684	1,290	443
Pennel Waterflood Unit	Red River	30	113,091	113,066	26,607	220,103
Pennel Waterflood Unit	Silurian-Ordovician	121	325,030	325,020	50,151	1,158,156
Pennel Waterflood Unit	Stoney Mountain	1	2,166	2,157	264	6,067
Pine	Mission Canyon	1	1,435	1,431	350	9,396
Pine	Silurian-Ordovician	2	6,266	6,068	2,208	11,868
Pine ("A" & "E" Units)	Silurian-Ordovician	69	158,165	158,171	36,828	1,397,947
Pine ("C" Unit)	Silurian-Ordovician	5	17,653	17,653	4,030	124,524
Pondera	Madison	245	43,760	44,312	0	828,893
Pondera	Sun River	6	101	197	0	0
Pondera Coulee	Madison	2	346	359	0	0
Poplar, East	Charles	2	664	722	0	38,760
Poplar, East	Charles C	1	658	721	0	18,825
Poplar, East	Heath	2	2,758	2,620	0	66,486
Poplar, East (East Poplar Unit)	Madison	36	19,719	19,855	0	1,082,181
Poplar, Northwest	Charles	3	2,692	2,902	0	28,296
Poplar, Northwest	Charles B	1	775	860	0	27,181
Poplar, Northwest	Charles C	15	16,956	16,254	4,476	194,339
Poplar, Northwest	Madison	1	373	380	0	10,095
Pronghorn	Red River	1	1,192	887	135	4,449
Putnam	Bakken	3	3,413	3,467	3,506	2,241
Putnam	Interlake	1	3,059	2,947	1,346	9,610
Putnam	Madison	1	600	657	364	940
Putnam	Mission Canyon	6	5,402	5,616	3,572	5,213
Putnam	Ratcliffe	1	787	872	0	833
Putnam	Red River	2	11,165	11,093	6,862	17,596
Putnam	Red River, Interlake	1	2,275	1,966	988	6,354
Rabbit Hills	Sawtooth	4	4,086	3,838	0	5,515
Rabbit Hills, Northeast	Sawtooth	5	8,203	7,977	0	1,876
Rabbit Hills, Northeast (Enhanced Recovery)	Sawtooth	4	13,345	13,074	0	12,626
Rabbit Hills, South	Bowes	2	1,922	2,178	0	104
Rabbit Hills, South	Sawtooth	1	3,670	3,774	0	62
Rabbit Hills, Southwest	Sawtooth	1	6	0	0	640
Ragged Point	Tyler	1	133	0	0	0
Ragged Point (Tyler "A" Sand Unit)	Tyler	1	673	728	0	7,550
Ragged Point, Southwest (Southwest Unit)	Tyler	8	4,258	3,941	0	238,265
Rattler Butte	Tyler	2	25,656	26,153	0	4,140
Rattler Butte Unit	Tyler	4	1,280	900	0	6,605
Rattlesnake Butte	Amsden	2	1,196	988	0	93,856
Rattlesnake Butte	Cat Creek 1	1	757	709	744	1,724
Rattlesnake Butte	Cat Creek 2	1	105	0	0	5,816
Raymond	Duperow	1	969	973	16,619	13,942
Raymond	Red River	1	6,531	6,564	3,611	55,558
Raymond	Winnipegosis	1	8,285	8,326	1,311	79,338
Raymond (Raymond Nisku Unit)	Nisku	3	2,757	2,956	31,754	15,082
Raymond, North	Red River	1	1,502	938	501	21,500
Reagan	Madison	1	195	178	6	390
Reagan (Tribal Unit #194)	Madison	24	14,910	15,050	3,757	64,622
Reagan (Tribal Unit #355)	Madison	28	12,086	12,193	2,991	75,386
Red Bank	Madison	2	3,515	3,845	810	6,291
Red Bank	Mission Canyon	3	6,213	7,235	2,160	1,797
Red Bank, South	Red River	1	567	436	353	4,420
Red Creek	Sunburst	1	300	190	0	0
Red Creek Unit	Cut Bank	4	5,834	5,968	2,040	237,737
Red Creek Unit	Cut Bank, Madison	4	2,778	2,842	1,001	190,684
Red Creek Unit	Madison	6	4,320	4,419	1,512	430,045
Red Water	Bakken	1	564	218	0	0
Red Water	Red River	1	1,458	1,485	437	2,186
Red Water	Winnipegosis	1	1,870	1,904	561	2,800
Red Water, East	Red River	1	1,858	1,913	1,333	11,592
Redstone	Winnipegosis	1	269	468	0	1,678
Refuge	Nisku	1	391	630	440	523
Refuge	Red River	1	7,107	7,391	1,852	1,237

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Field	Formation	Number of Wells	Oil Produced (Bbls)	Oil Shipped (Bbls)	Assoc. Gas Produced (MCF)	Water Produced (Bbls)
Reserve	Red River	4	14,131	13,503	8,583	60,458
Reserve II	Interlake	1	388	252	49	0
Ridgelawn	Madison	2	804	544	0	2,438
Ridgelawn	Mission Canyon	6	6,696	6,698	2,191	12,048
Ridgelawn	Ratcliffe	3	2,815	2,900	1,080	7,020
Ridgelawn	Red River	3	10,015	10,249	8,397	14,799
Ridgelawn (Duperow Unit)	Duperow	4	18,899	18,875	0	23,953
Ridgelawn, North	Madison	1	3,511	3,597	2,906	12,157
Ridgelawn, North	Mission Canyon	1	4,492	4,471	0	8,335
RipRap Coulee	Ratcliffe	4	3,812	3,687	2,333	5,362
Rocky Point	Red River	1	3,662	3,694	1,793	2,708
Rosebud Unit	Tyler	3	1,549	1,159	0	25,994
Royals	Dawson Bay	1	1,757	1,650	1,091	3,512
Rudyard	Sawtooth	1	100	447	0	100
Rush Mountain	Gunton	1	7,635	7,611	3,368	4,555
Rush Mountain	Ratcliffe	1	4,699	4,565	5,882	9,938
Salt Lake	Gunton	1	1,393	1,090	0	605
Salt Lake	Nisku	2	1,317	1,414	0	8,413
Salt Lake	Red River	2	5,233	5,216	300	30,287
Salt Lake, West	Ratcliffe	1	4,634	5,048	0	89,386
Sand Creek	Charles	2	1,913	1,973	0	2,189
Second Creek	Duperow	1	5,556	5,644	3,613	2,433
Second Guess	Madison	2	412	436	0	0
Short Creek	Nisku	1	1,500	1,628	0	1,254
Shotgun Creek	Ratcliffe	5	12,776	12,637	3,245	40,774
Sidney	Madison	3	1,619	1,686	1,504	6,251
Sidney	Ratcliffe	3	2,649	2,177	981	6,935
Sidney	Red River	2	2,421	2,767	3,254	14,665
Sidney, East	Ratcliffe	1	224	223	0	906
Sioux Pass	Red River	6	17,564	17,611	16,041	6,609
Sioux Pass	Red River, Interlake	3	26,797	26,839	17,751	11,673
Sioux Pass, Middle	Red River	4	8,146	7,928	11,867	5,946
Sioux Pass, North	Madison	1	1,874	1,860	702	3,251
Sioux Pass, North	Ratcliffe	1	2,052	1,950	557	2,332
Sioux Pass, North	Red River	8	17,677	18,264	17,127	5,046
Sioux Pass, South	Red River	2	690	931	258	806
Sioux Pass, West	Red River	2	8,146	8,197	7,659	10,428
Snake Creek	Gunton	1	1,549	1,565	881	1,739
Snake Creek	Red River	1	1,549	1,565	881	1,739
Snake Creek	Winnipegosis	1	2,335	2,358	1,329	2,624
Soap Creek	Amsden	1	178	87	0	202,350
Soap Creek	Madison	16	6,697	6,404	0	380,588
Soap Creek	Madison, Amsden	6	1,107	1,230	0	86,864
Soap Creek	Tensleep	9	633	607	0	864
Soap Creek, East	Tensleep	3	1,462	1,539	0	24,965
South Fork	Mission Canyon	1	1,171	1,236	748	1,327
South Fork	Red River	2	1,712	1,865	2,313	6,614
Spring Lake	Bakken	4	8,617	8,832	1,840	90
Spring Lake	Dawson Bay	1	5,254	4,807	2,245	6,165
Spring Lake, West	Bakken	1	787	576	0	5
Stampede	Bakken	1	1,720	1,632	2,559	5,231
Stampede	Red River	1	56	0	17	10
Stensvad Unit	Tyler	5	3,278	2,985	0	43,724
Sumatra	Amsden	2	458	500	0	45
Sumatra	Heath	1	23	0	0	0
Sumatra	Lower Tyler	2	1,094	1,133	0	5,565
Sumatra	Tyler	3	600	472	0	14,614
Sumatra (Central Sumatra Sand Unit)	Tyler	7	13,570	13,564	0	720,902
Sumatra (Grebe-Tyler Sand Unit)	Tyler	3	176	0	0	1,810
Sumatra (Kincheloe Waterflood Unit)	Tyler	12	4,387	4,012	0	420,913
Sumatra (Northeast Sumatra Unit)	Tyler	3	1,507	978	0	10,874
Sumatra (Sawyer Waterflood Unit)	Lower Tyler	1	4	418	0	0
Sumatra (Southeast Sumatra Unit)	Lower Tyler	3	1,717	1,754	0	66,737
Sumatra (Southeast Sumatra Unit)	Madison	1	0	0	0	42,975
Sumatra (Southeast Sumatra Unit)	Tyler	5	3,199	3,268	0	111,650
Sumatra (West Sumatra Unit)	Tyler	3	5,430	6,369	0	395,399
Sunny Hill	Ratcliffe	1	753	966	0	2,459
Sunny Hill, West	Ratcliffe	1	1,365	1,395	1,782	7,007
Target	Nisku	1	5,477	5,492	3,135	14,165

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Field	Formation	Number of Wells	Oil Produced (Bbls)	Oil Shipped (Bbls)	Assoc. Gas Produced (MCF)	Water Produced (Bbls)
Target	Ratcliffe	3	2,606	2,795	0	6,793
Three Buttes	Bakken	3	2,875	2,835	2,088	901
Three Buttes	Red River	1	3,397	3,452	2,376	777
Tinder Box	Tyler	1	321	250	0	0
Tule Creek	Devonian	1	2,121	2,263	1,647	109,300
Tule Creek	Nisku	2	3,085	3,047	1,124	205,184
Tule Creek, East	Nisku	1	716	743	736	130,257
Tule Creek, South	Nisku	1	2,279	2,335	0	22,080
Two Waters	Bakken	2	505	456	0	0
Utopia ("Utopia Swift Sand" Unit)	Swift	17	4,175	4,209	3,083	2,291
Vaux	Bakken	2	4,295	4,433	5,110	63
Vaux	Interlake	1	2,379	2,429	855	6,312
Vaux	Madison	3	4,508	4,441	3,073	2,286
Vaux	Mission Canyon	9	10,867	11,253	10,140	31,802
Vaux	Red River	2	4,769	5,327	4,278	14,426
Vaux	Stonewall	1	2,714	3,055	3,060	12,517
Volt	Madison	1	840	836	0	2,454
Volt	Nisku	3	16,741	16,667	0	158,733
Wakea	Nisku	2	2,047	2,266	1,110	8,359
Wakea	Nisku, Duperow	1	7,287	7,623	1,785	21,998
Wakea	Red River	2	6,207	6,388	4,521	26,835
Wakea	Winnipegosis	1	1,756	1,837	431	3,845
Waterhole Creek	Red River	5	57,908	58,296	14,512	35,428
Weed Creek	Amsden	1	310	230	177	25,800
West Butte	Sunburst	2	477	415	0	0
Weygand	Sawtooth	3	1,267	1,616	0	0
Whitlash	Swift	14	1,302	598	3,430	0
Whitlash	Swift, Sunburst	15	4,139	3,612	3,867	250
Willow Creek, North	Tyler	2	1,087	489	0	3,035
Willow Ridge	Burwash	2	340	394	0	0
Wills Creek, South	Silurian-Ordovician	3	25,883	25,883	5,618	29,576
Windy Ridge	Red River	3	43,086	42,401	13,905	27,477
Winnett Junction Unit	Tyler	2	4,357	4,391	0	77,825
Wolf Springs	Amsden	4	1,090	1,254	0	194,044
Wolf Springs, South (S Wolf Springs)	Amsden	1	1,818	1,960	0	4,201
Woodrow	Charles	1	1,594	1,857	540	951
Woodrow	Charles, Interlake	1	1,508	1,757	540	899
Wrangler	Red River	2	6,739	6,612	7,931	18,141
Wright Creek	Muddy	5	1,914	1,351	2,612	15,312
Wildcat, Musselshell County	Heath	1	3,823	3,653	0	0
Wildcat, Richland County	Madison	1	131	424	0	1,282
Wildcat, Rosebud County	Tyler	1	2,025	1,664	0	0
TOTALS		**3,138**	**4,079,474**	**4,093,697**	**1,759,049**	**23,730,773**

NATURAL GAS PRODUCED
FOURTH QUARTER 1998

Field	No. of Wells	MCF
Amanda	20	55,937
Antelope Coulee	1	994
Arch Apex	37	74,852
Ashfield	144	482,397
Badlands	6	22,777
Battle Creek	57	399,230
Bears Den	2	544
Bell Creek, Southeast	2	26,252
Big Coulee	6	58,807
Big Rock Gas Field	36	66,609
Black Butte	1	1,946
Black Coulee	5	33,528
Blackfoot	8	16,065
Blackjack	12	15,678
Bowdoin & Area	394	1,373,909
Bowes	39	117,142
Bradley	2	732
Browns Coulee	3	103,620
Browns Coulee, East	1	7,322
Bullwacker	41	256,976
Camp Creek	1	4,094
Cedar Creek	170	1,141,192
Clark's Fork	1	6,351
Coal Coulee	2	9,920
Coal Mine Coulee	5	4,655
Cut Bank	226	568,718
Devon	21	25,784
Devon, East	2	2,514
Devon, South Unit	2	5,940
Dry Creek	18	95,143
Dry Creek(Shallow Gas)	1	9,563
Dry Creek, Middle	2	3,986
Dry Creek, West	1	7,273
Dry Fork	6	4,365
Dunkirk	13	17,221
Dunkirk, North	28	46,315
Dutch John Coulee	4	15,499
Eagle Springs	3	2,434
Ethridge	10	22,944
Ethridge, North	6	7,635
Fitzpatrick Lake	9	23,425
Flat Coulee	6	10,144
Fort Conrad	13	5,971
Fred & George Creek	3	8,466
Fresno & Area	2	47,055
Galata	4	9,665
Gas Light	1	57,112
Golden Dome	7	13,103
Grandview	4	11,186
Hardpan	6	17,633
Hardpan Area	1	2,618
Havre	1	4,208
Haystack Butte	2	4,468
Haystack Butte, West	8	13,554
Highline	1	3,975
Keith Area	4	6,411
Keith, East	22	70,608
Kevin Southwest	28	52,297
Kevin Sunburst	108	140,780
Kevin Sunburst (Dakota)	1	3,265
Kevin Sunburst-Bow Island	7	9,859
Kevin Sunburst, Nisku & Area	2	24,799
Kevin, East Bow Island Gas	6	4,299
Kevin, East Gas	8	17,370
Kevin, East Nisku Oil	1	7,949
Kicking Horse	16	32,428
Lake Basin	2	15,087
Ledger	41	33,760
Leroy	23	53,350
Liscom Creek	6	78,280
Little Creek	3	4,310
Little Rock	17	39,305
Lohman	2	9,998
Lohman Area	4	60,297
Loring	202	460,231
Loring, East	100	285,685
Loring, West	7	15,219
Marias River	15	11,740
Middle Butte	5	12,258
Miners Coulee	14	16,497
Mt. Lilly	2	1,674
O'Briens Coulee	12	32,776
Old Shelby	85	197,962
Phantom	2	6,584
Phantom, West	2	1,321
Plevna	2	16,455
Police Coulee	8	12,388
Prairie Dell	113	203,648
Prairie Dell, West	10	22,270
Rattlesnake Coulee	1	595
Red Rock	8	242,528
Rocky Boy Area	8	61,894
Rudyard	3	9,902
Sage Creek	13	16,247
Sawtooth Mountain & Area	31	131,539
Shelby Area	1	2,876
Shelby, East	7	10,496
Sherard	9	11,373
Sherard, Area	37	279,437
Sixshooter Dome	6	46,414
Snoose Coulee	8	6,155
Snow Coulee	1	697
Spring Coulee	1	1,534
Strawberry Creek Area	2	8,494
Swanson Creek	75	84,417
Three Mile	3	14,193
Tiber Area	2	3,261
Tiber, East	9	15,543
Tiger Ridge	380	4,108,307
Tiger Ridge Area	1	11,333
Timber Creek, West	1	3,010
Trail Creek	8	24,364
Utopia	6	37,693
Vandalia	7	6,741
West Butte	3	6,047
West Butte Shallow Gas	2	2,905
Whitewater	282	653,929
Whitewater, East	41	110,379
Whitlash	41	166,182
Whitlash, West	6	4,277
Wildcat Blaine	1	14,245
Wildcat Hill	4	242,532
Wildcat Toole	1	2,489
Willow Ridge	12	33,924
Willow Ridge, South	2	22,540
Willow Ridge, West	2	1,870
TOTALS	3,312	13,710,968

OIL IN STORAGE

	Producers Field Tanks	Transporters Storage	Refiners Storage	Total Storage
December 1997	279,305	2,317,685	687,717	3,284,707
March 1998	336,446	2,041,784	521,992	2,900,222
June 1998	349,563	1,961,763	481,930	2,793,256
September 1998	325,017	2,167,951	444,076	2,937,044
October 1998	329,611	2,093,777	751,068	3,174,456
November 1998	329,493	1,994,977	712,234	3,036,704
December 1998	301,078	2,052,064	607,544	2,960,686

REFINERS REPORT
THIRD QUARTER 1998

Company	Beginning Storage	Montana Oil	Wyoming Oil	Canada Oil	Refined	Ending Storage
Cenex	125,335	373,485	409,818	3,551,529	4,215,978	244,189
Continental Oil Company	144,847	48,653	330,127	4,152,134	4,495,914	179,847
Exxon Company	157,434	248,649	2,635,898	2,027,980	4,902,787	167,174
Montana Refining Co.	16,460	130,314	-0-	431,980	562,420	16,334
TOTALS	**444,076**	**801,101**	**3,375,843**	**10,163,623**	**14,177,099**	**607,544**

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